IFWO

RAW SEQUENCE LISTING   DATE: 07/23/2004
PATENT APPLICATION: US/10/735,118   TIME: 16:29:07

Input Set : **A:\SEQLIST.6270-701.201.ST25.txt**
Output Set: **N:\CRF4\07232004\J735118.raw**

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 3 <110> APPLICANT: Bacus, Sarah S.
 4         Smith, Bradley L.
 6 <120> TITLE OF INVENTION: METHOD FOR PREDICTING THE RESPONSE TO HER2-DIRECTED THERAPY
 8 <130> FILE REFERENCE: 6270-701.201
10 <140> CURRENT APPLICATION NUMBER: US 10/735,118
11 <141> CURRENT FILING DATE: 2003-12-11
13 <150> PRIOR APPLICATION NUMBER: US 60/370,473
14 <151> PRIOR FILING DATE: 2002-04-05
16 <150> PRIOR APPLICATION NUMBER: US 60/432,943
17 <151> PRIOR FILING DATE: 2002-12-11
19 <150> PRIOR APPLICATION NUMBER: US 10/408,520
20 <151> PRIOR FILING DATE: 2003-04-07
22 <160> NUMBER OF SEQ ID NOS: 3
24 <170> SOFTWARE: PatentIn version 3.1
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 480
28 <212> TYPE: PRT
29 <213> ORGANISM: Homo sapiens
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34 1               5                   10                  15
37 Glu Tyr Ile Lys Thr Trp Arg Pro Arg Tyr Phe Leu Leu Lys Asn Asp
38              20                  25                  30
41 Gly Thr Phe Ile Gly Tyr Lys Glu Arg Pro Gln Asp Val Asp Gln Arg
42          35                  40                  45
45 Glu Ala Pro Leu Asn Asn Phe Ser Val Ala Gln Cys Gln Leu Met Lys
46      50                  55                  60
49 Thr Glu Arg Pro Arg Pro Asn Thr Phe Ile Ile Arg Cys Leu Gln Trp
50 65                  70                  75                  80
53 Thr Thr Val Ile Glu Arg Thr Phe His Val Glu Thr Pro Glu Glu Arg
54              85                  90                  95
57 Glu Glu Trp Thr Thr Ala Ile Gln Thr Val Ala Asp Gly Leu Lys Lys
58              100                 105                 110
61 Gln Glu Glu Glu Glu Met Asp Phe Arg Ser Gly Ser Pro Ser Asp Asn
62          115                 120                 125
65 Ser Gly Ala Glu Glu Met Glu Val Ser Leu Ala Lys Pro Lys His Arg
66      130                 135                 140
69 Val Thr Met Asn Glu Phe Glu Tyr Leu Lys Leu Leu Gly Lys Gly Thr
70 145                 150                 155                 160
73 Phe Gly Lys Val Ile Leu Val Lys Glu Lys Ala Thr Gly Arg Tyr Tyr
74              165                 170                 175
77 Ala Met Lys Ile Leu Lys Lys Glu Val Ile Val Ala Lys Asp Glu Val
78              180                 185                 190
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82          195               200               205
85 Phe Leu Thr Ala Leu Lys Tyr Ser Phe Gln Thr His Asp Arg Leu Cys
86      210               215              220
89 Phe Val Met Glu Tyr Ala Asn Gly Gly Glu Leu Phe Phe His Leu Ser
90 225               230               235               240
93 Arg Glu Arg Val Phe Ser Glu Asp Arg Ala Arg Phe Tyr Gly Ala Glu
94               245               250               255
97 Ile Val Ser Ala Leu Asp Tyr Leu His Ser Glu Lys Asn Val Val Tyr
98               260               265               270
101 Arg Asp Leu Lys Leu Glu Asn Leu Met Leu Asp Lys Asp Gly His Ile
102          275               280               285
105 Lys Ile Thr Asp Phe Gly Leu Cys Lys Glu Gly Ile Lys Asp Gly Ala
106      290               295               300
109 Thr Met Lys Thr Phe Cys Gly Thr Pro Glu Tyr Leu Ala Pro Glu Val
110 305               310               315               320
113 Leu Glu Asp Asn Asp Tyr Gly Arg Ala Val Asp Trp Trp Gly Leu Gly
114               325               330               335
117 Val Val Met Tyr Glu Met Met Cys Gly Arg Leu Pro Phe Tyr Asn Gln
118               340               345               350
121 Asp His Glu Lys Leu Phe Glu Leu Ile Leu Met Glu Glu Ile Arg Phe
122          355               360               365
125 Pro Arg Thr Leu Gly Pro Glu Ala Lys Ser Leu Leu Ser Gly Leu Leu
126      370               375               380
129 Lys Lys Asp Pro Lys Gln Arg Leu Gly Gly Gly Ser Glu Asp Ala Lys
130 385               390               395               400
133 Glu Ile Met Gln His Arg Phe Phe Ala Gly Ile Val Trp Gln His Val
134               405               410               415
137 Tyr Glu Lys Lys Leu Ser Pro Pro Phe Lys Pro Gln Val Thr Ser Glu
138          420               425               430
141 Thr Asp Thr Arg Tyr Phe Asp Glu Glu Phe Thr Ala Gln Met Ile Thr
142          435               440               445
145 Ile Thr Pro Pro Asp Gln Asp Asp Ser Met Glu Cys Val Asp Ser Glu
146      450               455               460
149 Arg Arg Pro His Phe Pro Gln Phe Ser Tyr Ser Ala Ser Ser Thr Ala
150 465               470               475               480
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154 <211> LENGTH: 249
155 <212> TYPE: PRT
156 <213> ORGANISM: Homo sapiens
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164 Glu Val Asp Asp Glu Arg Lys Leu Arg Thr Phe Tyr Glu Lys Arg Met
165          20               25               30
168 Ala Thr Glu Val Ala Ala Asp Ala Leu Gly Glu Glu Trp Lys Gly Tyr
169          35               40               45
172 Val Val Arg Ile Ser Gly Gly Asn Asp Lys Gln Gly Phe Pro Met Lys
173      50               55               60
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176 Gln Gly Val Leu Thr His Gly Arg Val Arg Leu Leu Leu Ser Lys Gly
177 65                  70                  75                  80
180 His Ser Cys Tyr Arg Pro Arg Arg Thr Gly Glu Arg Lys Arg Lys Ser
181             85                  90                  95
184 Val Arg Gly Cys Ile Val Asp Ala Asn Leu Ser Val Leu Asn Leu Val
185             100                 105                 110
188 Ile Val Lys Lys Gly Glu Lys Asp Ile Pro Gly Leu Thr Asp Thr Thr
189         115                 120                 125
192 Val Pro Arg Arg Leu Gly Pro Lys Arg Ala Ser Arg Ile Arg Lys Leu
193     130                 135                 140
196 Phe Asn Leu Ser Lys Glu Asp Asp Val Arg Gln Tyr Val Val Arg Lys
197 145                 150                 155                 160
200 Pro Leu Asn Lys Glu Gly Lys Lys Pro Arg Thr Lys Ala Pro Lys Ile
201             165                 170                 175
204 Gln Arg Leu Val Thr Pro Arg Val Leu Gln His Lys Arg Arg Arg Ile
205             180                 185                 190
208 Ala Leu Lys Lys Gln Arg Thr Lys Lys Asn Lys Glu Glu Ala Ala Glu
209         195                 200                 205
212 Tyr Ala Lys Leu Leu Ala Lys Arg Met Lys Glu Ala Lys Glu Lys Arg
213     210                 215                 220
216 Gln Glu Gln Ile Ala Lys Arg Arg Arg Leu Ser Ser Leu Arg Ala Ser
217 225                 230                 235                 240
220 Thr Ser Lys Ser Glu Ser Ser Gln Lys
221             245
224 <210> SEQ ID NO: 3
225 <211> LENGTH: 379
226 <212> TYPE: PRT
227 <213> ORGANISM: Homo sapiens
229 <400> SEQUENCE: 3
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232 1               5                   10                  15
235 Thr Glu Gly Val Gly Pro Gly Val Pro Gly Glu Val Glu Met Val Lys
236             20                  25                  30
239 Gly Gln Pro Phe Asp Val Gly Pro Arg Tyr Thr Gln Leu Gln Tyr Ile
240         35                  40                  45
243 Gly Glu Gly Ala Tyr Gly Met Val Ser Ser Ala Tyr Asp His Val Arg
244     50                  55                  60
247 Lys Thr Arg Val Ala Ile Lys Lys Ile Ser Pro Phe Glu His Gln Thr
248 65                  70                  75                  80
251 Tyr Cys Gln Arg Thr Leu Arg Glu Ile Gln Ile Leu Leu Arg Phe Arg
252             85                  90                  95
255 His Glu Asn Val Ile Gly Ile Arg Asp Ile Leu Arg Ala Ser Thr Leu
256             100                 105                 110
259 Glu Ala Met Arg Asp Val Tyr Ile Val Gln Asp Leu Met Glu Thr Asp
260         115                 120                 125
263 Leu Tyr Lys Leu Leu Lys Ser Gln Gln Leu Ser Asn Asp His Ile Cys
264     130                 135                 140
267 Tyr Phe Leu Tyr Gln Ile Leu Arg Gly Leu Lys Tyr Ile His Ser Ala
268 145                 150                 155                 160
```

```
271 Asn Val Leu His Arg Asp Leu Lys Pro Ser Asn Leu Leu Ile Asn Thr
272             165             170             175
275 Thr Cys Asp Leu Lys Ile Cys Asp Phe Gly Leu Ala Arg Ile Ala Asp
276             180             185             190
279 Pro Glu His Asp His Thr Gly Phe Leu Thr Glu Tyr Val Ala Thr Arg
280         195             200             205
283 Trp Tyr Arg Ala Pro Glu Ile Met Leu Asn Ser Lys Gly Tyr Thr Lys
284     210             215             220
287 Ser Ile Asp Ile Trp Ser Val Gly Cys Ile Leu Ala Glu Met Leu Ser
288 225             230             235             240
291 Asn Arg Pro Ile Phe Pro Gly Lys His Tyr Leu Asp Gln Leu Asn His
292             245             250             255
295 Ile Leu Gly Ile Leu Gly Ser Pro Ser Gln Glu Asp Leu Asn Cys Ile
296             260             265             270
299 Ile Asn Met Lys Ala Arg Asn Tyr Leu Gln Ser Leu Pro Ser Lys Thr
300         275             280             285
303 Lys Val Ala Trp Ala Lys Leu Phe Pro Lys Ser Asp Ser Lys Ala Leu
304         290             295             300
307 Asp Leu Leu Asp Arg Met Leu Thr Phe Asn Pro Asn Lys Arg Ile Thr
308 305             310             315             320
311 Val Glu Glu Ala Leu Ala His Pro Tyr Leu Glu Gln Tyr Tyr Asp Pro
312             325             330             335
315 Thr Asp Glu Pro Val Ala Glu Glu Pro Phe Thr Phe Ala Met Glu Leu
316             340             345             350
319 Asp Asp Leu Pro Lys Glu Arg Leu Lys Glu Leu Ile Phe Gln Glu Thr
320         355             360             365
323 Ala Arg Phe Gln Pro Gly Val Leu Glu Ala Pro
324     370             375
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VERIFICATION SUMMARY　　　　　　　　　DATE: 07/23/2004
PATENT APPLICATION:　**US/10/735,118**　　　TIME: 16:29:08

Input Set : **A:\SEQLIST.6270-701.201.ST25.txt**
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